

# Occupier Influence On Indoor Air Quality In Dwellings

MEARU

The main aim of the study was to gather information on occupant use of natural ventilation and to relate this to indoor air quality (IAQ). This required fieldwork to gather quantitative data on occupant interaction with ventilation provision within the homes but also to undertake more detailed investigations into the effects of this interaction. Within the scope of this project a literature review identified previous research in this field and reviewed best practice in dealing with IAQ in thermally efficient dwellings.

During the study feedback was gained from residents regarding their knowledge and habits relative to ventilation strategies within their homes.

The final report synthesises the IAQ data identifying options and strategies for making natural ventilation a more robust and usable strategy.

It is anticipated that the final report will be used to inform revisions to current Building Regulations in Scotland relative to natural ventilation provision in new homes.

**Project Title:** Occupier Influence On Indoor Air Quality In Dwellings

**Client/ Funding body:** Building Standards Division

**Date Completed:** April 2014

**Project value:** £8,000

**Team:** MEARU- Prof Tim Sharpe,  
**Project Partner-**Energy Systems Research Unit (ESRU) of Strathclyde University; the Dept. of Architecture and Building Science (DABS) at Strathclyde University; Assist Architects and Anderson Bell Christie Architects (ABC).

## Links/ Outputs

Building Standards Division:  
<http://www.scotland.gov.uk/Topics/Built-Environment/Building/Building-standards>